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TACTICAL WEAPON
GACIAC
GUIDANCE & CONTROL
INFORMATION ANALYSIS CENTER

GACIAC HB 88-01

**HANDBOOK OF PGM RELATED
ACRONYMS AND TERMS**

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FOREWORD

An acronym is a word formed by the initial letters of a name or by combining initial letters or parts of a series of words. The key is that the acronym should sound like a word. Many of our so-called acronyms are not pronounceable as words, even in a foreign language. They are not really acronyms, they are abbreviations. Abbreviations are shortened words, collections of first letters of words, or some arbitrary choice of letters. This handbook is a collection of acronyms and abbreviations (although we will use the word "acronym" generically) relevant to precision guided munitions and associated technologies.

Why do we use so many acronyms? The honest reason is laziness disguised as efficiency. We dislike repeating long names and expressions over and over. A shorter version saves time, takes less space, and requires less effort to write or type. Limited space for computer data field entries also encourages the use of acronyms. Once a person is familiar with an acronym, it is a definite convenience. Acronyms and abbreviations are the specialized language of a discipline and our knowledge of them marks us with the badge of the trade.

The intent in the preparation of this handbook was to capture as many acronyms as possible that had some relationship with the following terms.

- Guidance and control terminology
- Frequency bands
- Electronics and sensors related to PGMs
- U.S. and foreign PGMs
- Notional PGM systems/concepts
- Major DoD organizations interested in PGMs
- PGM related management terms
- All DoD IACs

It was also our intent to state each acronym, indicate what it stood for, give the source of the acronym, and include any pertinent definitions or explanations. We were only partially successful. Rather than wait until we had all of the details for each acronym, we thought it would be appropriate to print the acronyms and what they stand for now. Future editions of this handbook will give more background on each acronym.

The primary source of most of the acronyms was from the proceedings of different workshops, symposia, and conferences that GACIAC supported. Another source was glossaries that various GACIAC investigators have compiled in preparing special study reports. Acronyms were also gleaned from the 40 plus journals and publications that GACIAC reviews regularly for its data base.

Preparation of this PGM Acronym Handbook was the idea of Mrs. Vakare Valaitis. She has been accumulating a list of acronyms for the past several years as part of her vocabulary to use in data base searches. Ms. Mindy Tumarkin assisted her in adapting a computer program to compile the original list prepared by Mrs. Valaitis.

If anyone has any suggestions for acronyms that should be included in future additions, please let us know by phone, scribbled note, list of acronyms letter, or the form included in this handbook. Information on originators of particular acronyms would also be appreciated.

Dr. Robert J. Heaston
Director of GACIAC

A

A/D	Analog-to-Digital
A/P	Autopilot
A/S	Air-to-Surface
AA	Antiaircraft
AA-10	Alamo Missile
AA-11	Archer Missile
AA-2	Atoll Missile
AA-3	Anab Missile
AA-5	Ash Missile
AA-6	Acrid Missile
AA-7	Apex Missile
AA-8	Aphid Missile
AA-9	Amos Missile
AAAMS	Advanced Antiarmor Missile System
AAE	Army Acquisition Executive
AAH	Advanced Attack Helicopter

AAIFF	Air-to-Air Identification Friend or Foe
AAIRS	Automatic Acquisition Infrared Seeker
AAM	Air-to-Air Missile
AATADS	Advanced Antitank and Air Defense System
AAW	Anti-Air Warfare
AAWAAM	Advanced All Weather Air to Air Missile
AAWS	Advanced Antiarmor Weapon System
AAWS-H	Advanced Antiarmor Weapon System Heavy
AAWS-M	Advanced Antiarmor Weapon System Medium
AAWWS	Airborne Adverse Weather Weapon System
ABEL	Air Breathing Electronic Laser
ABGD	Air Base Ground Defense
ABM	Antiballistic Missile
ABM-1	Galosh Missile
ABR	Airborne Radar
ABRAMS	Antibomb Rocket and Mortar System
ABRAMS	M-1 Tank
ABRES	Advanced Ballistic Reentry Systems
AC	Aircraft

AC Alternating Current

AC Army Armament Command, Rock Island, IL

ACAWS Aircraft Area Weapon System

ACC Army Communications Command, Ft. Huachuca, AZ

ACCS Air Command and Control System

ACE Adaptive Correlation Evaluator

ACET Automatic Cancellation of Extended Targets

ACEVAL Air Combat Evaluation

ACIMD Advanced Common Intercept Missile Demonstration

ACLOS Automatic Command-to-Line-of-Sight

ACM Advanced Cruise Missile

ACMI Air Combat Maneuvering Instrumentation

ACR Advanced Combat Rifle

ACSC Air Command and Staff College, Maxwell AFB, AL

ACSL Advanced Continuous Simulation Language

ACT Automotive Centroid Tracker

ACV Armored Combat Vehicle

ACVWS Armored Combat Vehicle Weapon System

AD	Air Defense
AD	Armament Division, Eglin AFB, FL
ADA	Air Defense Artillery
ADAR	Advanced Design Array Radar
ADARS	Armor Defeating Aerial Rocket System
ADAS	Architecture Design and Assessment
ADATS	Air Defense Antitank System
ADCAP	Advanced Capability
ADCU	Analog to Digital Converter Unit
ADDS	Air Defense Demonstration System
ADDS	Army Data Distribution System
ADF	Automatic Direction Finding
ADI	Air Defense Initiative
ADKEM	Advanced Kinetic Energy Missile
ADSM	Air Defense Suppression Missile
ADTC	Armament Development and Test Center, Eglin AFB, FL
ADU	Aimpoint Display Unit
ADVCAP	Advanced Capability

AEDC Arnold Engineering Development Center, Arnold
AFS, TN

AERDA Army Electronics Research and Development
Activity, WSMR, NM

AF Artillery Fire

AFAADS Advanced Forward Area Air Defense System

AFAC Air Force Armament Center, Eglin AFB, FL

AFAL Air Force Avionics Lab, WPAFB, OH

AFAR Advanced Field Array Radar

AFAS Advanced Field Artillery System

AFAS-C Advanced Field Artillery System-Cannon

AFATDS Advanced Field Artillery Tactical Data System

AFATL Air Force Armament Lab, Eglin AFB, FL

AFC Automatic Frequency Control

AFCC Air Force Communications Command, Scott AFB,
IL

AFFDL Air Force Flight Dynamics Lab, WPAFB, OH

AFFS Advanced Fire-and-Forget System

AFGL Air Force Geophysics Lab, Hanscom AFB, MA

AFIT Air Force Institute of Technology, WPAFB, OH

AFLC Air Force Logistics Command, WPAFB, OH

AFLIR Advanced Forward Looking Infrared

AFOSR Air Force Office of Scientific Research,
Bolling AFB, Washington, DC

AFSC Air Force Systems Command, Washington, DC

AFSWC Air Force Special Weapons Center, Kirtland
AFB, NM

AFTEC Air Force Test and Evaluation Center, Kirtland
AFB, NM

AFWAL Air Force Wright Aeronautical Labs, WPAFB, OH

AFWL Air Force Weapons Lab, Kirtland AFB, NM

AGARD Advisory Group for Aerospace Research and
Development, Neuilly-sur-Seine, France

AGC Automatic Gain Control

AGCW Autonomous Guidance for Conventional Weapons

AGM Air-to-Ground Missile

AGM-114 Hellfire Missile

AGM-12 Bullpup Missile

AGM-28 Hound Dog Missile

AGM-45 Shrike Missile

AGM-62 Walleye Missile

AGM-65 Maverick Missile

AGM-69	SRAM
AGM-78	Standard ARM
AGM-84	Harpoon Missile
AGM-86	ALCM
AGM-88	HARM
AGR	Automatic Gain Reduction
AGT	Advanced Gun Technology
AGTELIS	Automatic Ground Transportable Emitter Location and Identification System
AH	Attack Helicopter
AHAMS	Advanced Heavy Antitank Missile System
AI	Airborne Intercept
AIAD	Advanced Infantry Air Defense
AIFS	Advanced Indirect Fire System
AIL	Airborne Instruments Laboratory
AIM	Aerial Intercept Missile
AIM-120	AMRAAM
AIM-26	Nuclear Falcon
AIM-4	Falcon Missile

AIM-54	Phoenix Missile
AIM-7	Sparrow Missile
AIM-9	Sidewinder Missile
AIMVAL	Air Intercept Missile Evaluation
AIRS	Airborne Integrated Reconnaissance System
AIWS	Advanced Interdiction Weapon System
AJ	Antijam
AJ.168	Martel Missile
AJAMS	Anti-Jam Active Millimeter Wave Seeker
ALARM	Alerting Long Range Radar
ALARM	Air-Launched Anti-Radiation Missile
ALAS	Automatic Laser Analysis System
ALAST	Advanced Laser Spot Tracker
ALAW	Advanced Light Antitank Weapon
ALCM	Air-Launched Cruise Missile
ALIATS	Airborne Laser Illumination and Tracking System
ALICAT	Advanced Circuits and Array Technology
ALLD	Airborne Laser Locator Designator

ALR	Artillery Locating Radar
ALRAAM	Advanced Long Range Air-to-Air Missile
ALS	Army Laser Seeker
ALSPES	Automatic Laser Seeker Performance Evaluation System
ALSS	Advanced Location Strike System
ALT	Airborne Laser Tracker
ALTAIR	ARPA Long Range Tracking and Instrument Radar
ALV	Autonomous Land Vehicle
ALWT	Advanced Light Weight Torpedo
AM	Amplitude Modulation
AM-39	Exocet Missile(Air Launched)
AMAMS	Advanced Medium Antitank Missile System
AMAWS	Advanced Medium Antiarmor Weapon System
AMCPM-SMK-T	Office of the Project Manager Smoke/Obscurants, Aberdeen Proving Ground, MD
AMDAS	Airborne Mine Detection and Survey
AMF	Advanced Modular FLIR
AMMIS	Advanced Mobile Missile Intercept System
AMPM	Advanced Multipurpose Missile

AMRAAM	Advanced Medium Range Air-to-Air Missile
AMS-H	Advanced Missile System-Heavy
AMSAA	Army Materiel Systems Analysis Activity, APG, MD
AMSMI	Army Missile Command, Redstone Arsenal, AL
AMSMI/RE	Army Missile Command, Redstone Arsenal, AL, Advanced Sensors Directorate
AMSMI/RG	Army Missile Command, Redstone Arsenal, AL, Guidance and Control Directorate
AMTC	Army Missile Test Center, WSMR, NM
AMTI	Area Moving Target Indicator
AMTS	Active Moving Target Seeker
ANSSR	Aerodynamically Neutral Spin-Stabilized Rocket
AOCS	Advanced Optical Contact Seeker
AOS	Add-On Sensor
AOS	Airborne Optical System
APACHE	AH-64 Advanced Attack Helicopter
APC	Armored Personnel Carrier
APD	Avalanche Photodiode
APG	Aberdeen Proving Ground, MD
APGM	Autonomous Precision Guided Munition

APTAAM	Advanced Processor Technology for Air to Air Missiles
AR/AAV	Armored Reconnaissance/Airborne Assault Vehicle
ARBRL	Army Materiel Command, Ballistic Research Lab APG, MD
ARCS	Advanced Retaliation Countermeasure System
ARDEC	Armament, Research, Development, and Engineering Center, Picatinny Arsenal, NJ
ARDEC	Army Armament Research Development and Engineering Center, Picatinny Arsenal, NJ
AREST	Advanced Radar Experimental Systems Technology
ARH	Antiradiation Homing
ARM	Antiradiation Missile
ARS	Aircraft Rocket System
ARS	Azimuth Reference System
ARS/SLA	Automatic Reference System/Sequential Launch Adapter
ARTI	Automatic Radar Target Identification
ARWS	Advanced Radar Warning System
AS-1	Kennel Missile
AS-11	Kegler Missile
AS-15	Kent Missile

AS-2	Kipper Missile
AS-3	Kangaroo Missile
AS-4	Kitchen Missile
AS-5	Kelt Missile
AS-6	Kingfish Missile
AS-7	Kerry Missile
AS-9	Kyle Missile
AS-X-10	Karen Missile
AS.34	Kormoran Missile
AS.37	Martel Missile
ASALM	Advanced Strategic Air Launched Missile
ASAR	Advanced Surface to Air Ramjet
ASARG	Autonomous Synthetic Aperture Radar Guidance
ASARS	Advanced Synthetic Aperture Radar System
ASAT	Anti Satellite Defense Systems
ASAW	Advanced Surface Attack Weapon
ASCM	Anti-Ship Cruise Missile
ASD	Aeronautical Systems Division, WPAFB, OH
ASH	Advanced Scout Helicopter

ASM	Air-to-Surface Missile
ASMD	Anti-Ship Missile Defense
ASMP	Air Sol Moyenne Portee
ASOJ	Anti-Standoff Jammer
ASPJ	Airborne Self-Protection Jammer
ASRAAM	Advanced Short Range Air-to-Air Missile
ASROC	Anti-Submarine Rocket
ASSET	Airborne Sensor System for Evaluation and Testing
ASTAAM	Advanced Seeker Technology for Air to Air Missiles
ASUW	Anti-Surface Warfare
ASW	Anti-Submarine Warfare
AT	Antitank
AT-2	Swatter Missile
AT-3	Sagger Missile
AT-4	Spigot Missile
AT-5	Spandrel Missile
AT-6	Spiral Missile
AT-8	Songster Missile

ATA	Air-to-Air
ATAADS	Antitank Assault Air Defense System
ATAC	Advanced Tank Cannon
ATACMS	Army Tactical Missile System
ATAFCS	Airborne Target Acquisition Fire Control System
ATAP	AntiTank AntiPersonnel mine system
ATAR	Air to Air Recognition
ATARMS	Advanced Tactical Active Radar Missile System
ATARS	Advanced Tactical Air Reconnaissance System
ATAS	Advanced Target Acquisition Sensor
ATB	Advanced Technology Bomber
ATB	Army Technology Base
ATBM	Antitactical Ballistic Missile
ATC	Automatic Target Cueing
ATF	Advanced Tactical Fighter
ATGM	Antitank Guided Missile
ATGW	Antitank Guided Weapon
ATHOC	Automatic Target Hand-Off Correlator

ATHP	Autonomous Terminal Homing Program
ATHS	Automated Target Handoff System
ATIGS	Advanced Tactical Inertial Guidance System
ATLAS	Advanced Technology LADAR System
ATM	Anti-Tactical Missile
ATR	Advanced Tactical Radar
ATR	Automatic Target Recognition
ATRWG	Automatic Target Recognizer Working Group
ATSE	Advanced Targeting Sensor Evaluation
ATSR	Advanced Tactical Surveillance Radar
ATTD	Advanced Technology Transition Demonstration
ATVS	Advanced Television Seeker
AU	Air University, Maxwell AFB, AL
AW	All Weather
AWACS	Airborne Warning and Control System
AWADM	Advanced Wide Area Defense Missile
AWC	All Weather CHAPARRAL
AZ	Azimuth

B

B-STING	Beam Sight Technology
BAA	Broad Agency Announcement
BAM	Ballistic Advanced Missile
BAO	Battlefield Aerosols and Obscurants
BASES	Beam Approach Seeker Evaluation System
BASS	Battlefield Area Surveillance System
BATS	Ballistic Aerial Target System
BCS	Battlefield Coordinate System
BDM	Bomber Defense Missile
BELDWSS	Battlefield Environmental Laser Designator Weapon System Simulation
BENS	Bounded Error Navigation System
BFV	Bradley Fighting Vehicle
BGM-109	Tomahawk Missile
BGM-109G	Gryphon Missile (GLCM)
BGM-71	TOW missile

BIFF	Battlefield Identification Friend or Foe
BILL	Bofors Industry Light and Lethal
BIS	Battlefield Information System
BLOS	Beyond Line of Sight
BMAP	Background Measurement Analysis Program
BMD	Ballistic Missile Defense
BMEWS	Ballistic Missile Early Warning System
BMS	Battlefield Management System
BRL	Ballistic Research Lab, APG, MD
BSTAR	Battlefield Surveillance and Target Acquisition
BTI	Balanced Technology Initiative
BVR	Beyond Visual Range
BW	Bandwidth

C

C/N	Clutter-to-Noise
C2	Command and Control
C3	Command, Control and Communications
C3CM	Command, Control, Communications, Countermeasures
C3I	Command, Control, Communications/Intelligence
CAAMS	Conventional Airfield Attack Missile System
CABOOM	Captor Mission-Oriented Bottom Ocean Obstacle Mines
CACDA	Combined Arms Combat Development Activity, Ft. Leavenworth, KS
CAD	Computer-Aided Design
CAMM	Combined Arms Multipurpose Missile
CAMMS	Combined Arms Multipurpose Missile System
CAMS	Common Aperture Multispectrum Seeker
CAPRIS	Combat Active and Passive Radar and Identification System
CART	Conformal Array Radar Technology

CAS	Close-Air Support
CAS	Control Acquisition System
CASE	Computer-Aided Systems Engineering
CASJ	Close-Air Support Jammer
CASM	Close-Air Support Missile
CASM	Combined Arms Simulation Model
CASW	Close-Air Support Weapon
CASW/SOW	Common ASW Standoff Weapon
CAT	Command-Adjusted Trajectory
CAT RADAR	Combined Acquisition and Tracking Radar
CATIES	Common Aperture Technique for Imaging Electro-Optical Sensor
CATIS	Computer Aided Tactical Information System
CAW	Close Assault Weapon
CAWS	Cannon Artillery Weapon System
CBW	Controllable Beam Weapon
CCC	Command, Control and Communications
CCCI	Command, Control, Communications/Intelligence
CCD	Charge Coupled Device

CCEBL	Cold Cathode Electron Beam Laser
CCM	Counter-Countermeasure
CD	Coefficient of Drag
CD/N	Clear Day/Night
CEIAC	Coastal Engineering Information Analysis Center
CEP	Circular Error Probable
CFA	Crossed Field Amplifier
CFAR	Constant False Alarm Rate
CFT	Captive Flight Tests
CGSP	Conventional Geometry Smart Projectiles
CGSSP	Command Guided Spin Stabilized Projectile
CHAMP	Canard Homing Artillery Modular Projectile
CHOJ	Correlation Home on Jam
CID	Charge Injection Device
CIGTF	Central Inertial Guidance Test Facility, Holloman AFB, NM
CIRIS	Completely Integrated Reference Instrumentation System
CIWS	Close-In Weapon System
CJ	Continuous Jammer

CL	Chemical Laser
CLAP	Chemical Laser Analysis Program
CLAW	Closed Launcher Assault Weapon
CLBRP	Cannon-Launched Beamrider Projectile
CLFC	Closed Loop Fire Control
CLGP	Cannon-Launched Guided Projectile
CLOS	Command to Line-of-Sight
CM	Centimeter
CM	Countermeasure
CMAG	Cruise Missile Advanced Guidance
CMLC	Coherent Mainlobe Canceller
CMMR	Common Modular Multimode Radar
CMOS	Complementary Metal Oxide Semiconductor
CMR	Common Multimode Radar
CNA	Center for Naval Analyses, Alexandria, VA
COCS	Current Optical Contrast Seeker
COLTS	Contrast Optical Laser Tracking Subsystem
COMO	Computer Model
COMSEC	Communications Security

COMVAT	Combat Vehicle Armament Technology
CONAD	Continental Air Defense
CONUS	Continental United States
CORDS	Coherent-On-Receive Doppler System
CORR	Coherent-On-Receive Radar
COSATI	Committee for Scientific and Technical Information, Washington, DC
CPACS	Coded Pulse Anti-Clutter System
CPIA	Chemical Propulsion Information Agency
CPU	Central Processor Unit
CRSTIAC	Cold Regions Science and Technology Information Analysis Center
CRT	Cathode Ray Tube
CRT	Coefficient of Radial Thrust
CSERIAC	Crew Systems Ergonomics Information Analysis Center
CSLC	Coherent Side Lobe Cancellation
CSSL	Continuous System Simulation Language
CSTA	Combat Surveillance and Target Acquisition
CSW	Close Support Weapon
CSWS	Corps Support Weapon System (Assault Breaker)

CTD	Charge Transfer Device
CTF	Control Transfer Function
CTIAC	Concrete Technology Information Analysis Center
CW	Clear Weather
CW	Continuous Wave
CWAT	Continuous Wave Acquisition and Track
CWI	Continuous Wave

D

D/A	Digital-to-Analog
DAC	Disturbance Absorbing Controller
DAC	Disturbance Accommodating Controller
DACS	Data and Analysis Center For Software
DANTS	Day and Night Television System
DAP	Digital Autopilot
DAR	Distributed Array Radar
DARCOM	Army Materiel Development and Readiness Command, Alexandria, VA
DARS	Digital Attitude Reference System
DART	Development of Advanced Radar Techniques
DASIAC	DoD Nuclear Information and Analysis Center
DB	Decibels
DBS	Doppler Beam Sharpening
DC	Direct Current
DC	Directional Control

DCAT Directional Control Antitank

DDD Diode laser and Detector array Development Program

DEMNS Distributed Explosive Mine Neutralization System

DESC Defense Electronics Supply Center, Dayton, OH

DEW Directed Energy Weapon

DEW Distant Early Warning

DF Direction Finding

DFRU Digital Frequency Reference Unit

DICORAP Directionally Controlled Rocket-Assisted Projectile

DIDO Directional Doppler

DIGI-DOPS Digital Doppler System

DIGISMAC Digital Scene Matching Area Correlator

DIGS Digital (or Delta) Inertial Guidance System

DILAG Differential Laser Gyro

DINS Dormant Inertial Navigation System

DIRT-1 Dust Infrared Test

DIVAD Division Air Defense

DLA Defense Logistics Agency, Alexandria, VA

DLIS Downward Looking Infrared System

DMA Defense Mapping Agency, Washington, DC

DME Distance Measuring Equipment

DMS Dual Mode Seeker

DMTF Diffraction Limited Modulator Transfer Function

DNSS Defense Navigation Satellite System

DOA Direction of Arrival

DOA/TOA Direction of Arrival/Time of Arrival

DOF Degrees of Freedom

DPG Dugway Proving Ground, UT

DSM Division Support Missile

DSM Dual Stage Magnetron

DSMAC Digital Scene Matching Area Correlator

DSRS Division Support Rocket System

DTI Dwell Time Interval

DTIC Defense Technical Information Center

DTNSRDC David W. Taylor Naval Ship Research and Development Center, Bethesda, MD

DTV Day Television

E

EAR	Electronically Agile Radar
EAR	Experimental Array Radar
ECAC	Electromagnetic Compatibility Analysis Center, Annapolis, MD
ECCM	Electronic Counter-Countermeasures
ECL	Emitter Coupled Logic
ECM	Electronic Countermeasures
ECOM	Electronics Command, Ft. Monmouth, NJ
EDCL	Electronic Discharge Conventional Laser
EDISCON	Electronic Beam Intensified Silicon Vidicon
EDL	Electric Discharge Laser
EDML	Electric Discharge Mixing Laser
EEGS	Electric Energy Gun System
EHF	Extremely High Frequency
ELF	Extremely Low Frequency
ELOS	Extended Line of Sight

ELV	Expendable Launch Vehicle
EMA	Earliest Missile Away
EMC	Electromagnetic Compatibility
EMCON	Emission Control
EMG	Electromagnetic Gun
EMGWS	Electromagnetic Gun Weapon System
EMI	Electromagnetic Interference
EMP	Electromagnetic Pulse
EMRAAT	Extended Medium Range Air to Air Technologies
EO	Electro-Optical
EOCM	Electro-Optical Countermeasures
EOD	Explosives Ordnance Disposal
EOGM	Electro-Optical Guided Missiles
EOSS	Electro-Optical Simulation System
EOST	Electro-Optic Sensor Technology
EOTS	Electro-Optical Threat Sensor
EPI	Electronic Position Indicator
ERADCOM	Army Electronics Research and Development Command Adelphi, MD

ERAM	Extended Range Air Munition
ERAM	Extended Range Antiarmor Munition
ERAM	Extended Range Antitank Mine
ERASE	Electromagnetic Radiating Source Elimination
ERP	Effective Radiated Power
ERP	Extended Range Projectile
ESAR	Electronically Steerable Array Radar
ESED	Naval Weapons Support Center, Crane, IN, Electronic systems Engineering Department
ESG	Electrostatic Gyro
ESJ	Escort Screening Jammer
ESM	Electronic Support Measures
ETAS	Elevated Target Acquisition System
ETC	Electrothermal/Chemical
ETKF	Engaged Target Kalman Filter
ETSG	Electronic Target Signature Generation
EW	Early Warning
EW	Electronic Warfare
EWR	Early Warning Radar

EXCELS

Extended Capability Emitter Location System

F

F&F	Fire & Forget
FA	Frequency Agile
FAAD	Forward Area Air Defense
FAAR	Forward Area Alerting Radar
FACTS	FLIR Augmented Cobra TOW System
FAIR	Fly Along Infrared
FALW	Forward Area Laser Weapon
FAR	False Alarm Rate
FAR	Forward Acquisition Radar
FARV	Field Artillery Resupply Vehicle
FARV-A	Field Artillery Resupply Vehicle-Ammunition
FAST	Frequency Agile Search and Track
FAT	First Article Test
FATSS	Forward Area Target Surveillance System
FAW	Forward Area Weapons
FCS	Fire Control System

FCS	Flight Control System
FEBA	Forward Edge of the Battle Area
FEL	Free Electron Laser
FET	Field Effect Transistor
FF	Fire-and-Forget
FFAST	Fire-and-Forget Antitank Systems Technology
FFATS	Fire-and-Forget Antitank System
FFH	Fast Frequency Hopping
FFT	Fast Fourier Transform
FFTD	Fast Fourier Transform Device
FIFV	Future Infantry Fighting Vehicle
FIM-92	Stinger Missile
FIR	Far Infrared
FIRTI	Far Infrared Target Indicators
FITOW	Further Improved TOW
FL	Focal Length
FLAGE	Flexible Lightweight Agile Guided Experiment
FLEXAR	Flexible Adaptive Radar
FLIR	Forward Looking Infrared

FLOT	Forward Line of Troops
FM	Frequency Modulation
FMR	Frequency Modulation Radar
FODL	Fiber Optics Data Link
FOFA	Follow On Forces Attack
FOG	Fiber Optic Guidance
FOG	Fiber Optic Gyroscope
FOG-D	Fiber Optics Guidance-Development/ Demonstration
FOG-M	Fiber Optic Guided Missile
FOG-S	Fiber Optic Guided-Skipper
FOG-X	Fiber Optic Guidance-X
FOGM	Fiber Optic Guided Missile
FOTL	Follow-on To Lance
FOV	Field of View
FOW	Family of Weapons
FPA	Focal Plane Array
FPI	Fabry-Perot Interferometer
FRSS	Flight Reference Stabilization System

FSAC **Fire Support Armament Center, Picatinny
Arsenal, Dover, NJ**

FSED **Full Scale Engineering Development**

FSK **Frequency Shift Key**

FSR **Frequency Scan Radar**

FTD **Foreign Technology Division, WPAFB, OH**

FTP **Flat Trajectory Projectile**

FUE **First Unit Equipped**

FW **Fixed Wing**

G

GACIAC	Tactical Weapon Guidance and Control Information Analysis Center
GAMP	Guided Antiarmor Mortar Projectile
GCI	Ground Control Interception
GCR	Ground Controlled Radar
GCU	Guidance and Control Unit
GDL	Gas Dynamic Laser
GENESIS	Generic Smart Indirect Fire Simulation
GFSM	Gun Fired Smart Munitions
GIDEP	Government Industry Data Exchange Program
GIF	Guidance Integrated Fuzing
GKF	Guidance Kalman Filter
GLAD	Ground Laser Attack Designator
GLADIS	Ground Laser Attack Designator/Identification System
GLCM	Ground Launched Cruise Missile
GLD	Ground Laser Designator

GLDS	Ground Laser Designator System
GLHS	Ground Launched HELLFIRE System
GLLD	Ground Laser Locator Designator
GM	Guided Missile
GP	Guided Projectile
GPS	Global Positioning System
GSMS	General Support Missile System
GSR	Ground Surveillance Radar
GSRS	General Support Rocket System
GU	Guidance Unit

H

HAIL	High Angle Increased Lethality
HALS	Homing and Laser Simulation
HAP	Hypergolic Alloy Penetrator
HARM	High Speed Anti-Radiation Missile
HARPSS	High Altitude Remote Platform Surveillance System
HAST	High Altitude Supersonic Target
HAT	Head Aimed Television
HATH	High Acceleration Terminal Homing
HATS	Helicopter Advanced Tactical System
HATS	Helicopter Automatic Targeting System
HAW	Heavy Antitank Weapon
HAWFCAR	Helicopter Adverse Weather Fire Control/Acquisition Radar
HAWK	Homing All the Way Killer
HAWS	Heavy Assault Weapon System
HAWTADS	Helicopter All Weather Target Acquisition and Designation System

HDL	Harry Diamond Labs, Adelphi, MD
HEDP	High Explosive Dual-Purpose
HEIAC	Hydraulic Engineering Information Analysis Center
HEL	High Energy Laser
HELAR	High Energy Laser Array
HELLFIRE	Heliborne Fire-and-Forget Systems
HELOVA	High Energy Low Vulnerability
HELP	High Energy LOVA Propellant
HELRATS	High Energy Laser Radar Acquisition and Tracking Sensor
HELTADS	High Energy Laser Tactical Air Defense System
HELWS	High Energy Laser Weapon System
HEMT	High Electron Mobility Transistor
HF	High Frequency
HFE	Human Factors Engineering
HFM	Heavy Force Modernization
HIMAD	High and Medium Altitude Air Defense
HIMAG	High Mobility Agility
HIPAR	High Power Acquisition Radar

HIPAS	High Performance Armament System
HIPCOR	High Power Coherent Radar
HIPCOR-95	High Power Coherent 95 GHz Radar
HIPERFLIR	High Performance Foward Looking Infrared
HIPIR	High Power Illuminator Radar
HIRAN	High Accuracy SHORAN
HISS	Helicopter Infrared Simulation System
HISU	HELLFIRE Integration and Sequencing Unit
HM58	Swiss Falcon
HMD	Helmet-Mounted Display
HME	HELLFIRE Missile Equipment
HMMS	Hellfire Modular Missile System
HMMV	High Mobility Multipurpose Vehicle
HMMWV	High Mobility Multipurpose Wheeled Vehicle
HMS	Helmet-Mounted Sight
HNVS	Helicopter Night Vision System
HOBO	Antiradiation Homing Bomb
HOE	Homing Overlay Experiment
HOGS	Homing Optical Guidance System

HOJ	Home-On-Jam
HOL	High Order Language
HOOT	Home-on-Optical Transponder
HOST	Hot Spot Tracking
HOT	Haut Subsonique Optiquement Teleguide Tire d'un Tube
HOWLS	Hostile Weapon Location System
HPG	Homopolar Generator
HSTV-L	High Survivability Testbed Vehicles- Lightweight
HTM	Hardened Target Munition
HTMIAC	High Temperature Materials Information Analysis Center
HTOP	Hard Target Ordnance Program
HUD	Heads Up Display
HVAP	High Velocity Armor Piercing
HVAR	High Velocity Aircraft Rocket
HVAT	High Velocity Antitank
HVBR	Hypervelocity Beamrider
HVM	Hypervelocity Missile
HVR	Hypervelocity Rocket

HVT	High Value Target
HVV	Hypervelocity Weapon
HWADM	Hypersonic Wide Area Defense Missile
HWIL	Hardware-in-the-Loop
Hz	Hertz

I

I2R	Imaging Infrared
IADS	Integrated Air Defense System
IAGC	Instantaneous Automatic Gain Control
IAT	Image Automatic Tracking
IBCCS	Integrated Battlefield Command and Control Simulation
IBCS	Integrated Battlefield Control System
IC	Integrated Circuit
ICAAS	Integrated Control Avionics for Air Superiority
ICBM	Intercontinental Ballistic Missile
ICWAR	Improved Continuous Wave Acquisition Radar
IDA	Institute for Defense Analysis, Alexandria, VA
IDFM	Induced Directional Frequency Modulation
IF	Intermediate Frequency
IFC	Integrated Fire Control
IFF	Identification Friend or Foe

IFFN	Identification Friend, Foe or Neutral
IFOV	Instantaneous Field-of-View
IFPA	Integrated Focal Plane Array
IFV	Infantry Fighting Vehicle
IG	Integral Guidance
IIR	Imaging Infrared
ILAW	Improved Light Antitank Weapon
IM	Insensitive Munition
IMAAWS	Infantry Man-Portable Anti-Armor Weapon System
IMC	Image Motion Compensation
IMU	Inertial Measuring Unit
INEWS	Integrated Electronic Warfare System
INS	Inertial Navigation System
INTAAWS	Integrated Air to Air Weapon Systems
IOC	Initial Operational Capability
IPAR	Improved Pulsed Acquisition Radar
IR	Infrared
IR/MM	Infrared/Millimeter
IR/RF	Infrared/Radio Frequency

IRA	Infrared Acquisition
IRAD	Independent Research and Development
IRBM	Intermediate Range Ballistic Missile
IRCCD	Infrared Charge Coupled Device
IRCCM	Infrared Counter-Countermeasures
IRCM	Infrared Countermeasures
IRGP	Infrared Guided Projectile
IRHVTA	Infrared High Value Target Acquisition
IRIA	Infrared Information and Analysis Center
IRSS	Infrared Simulation System
IRST	Infrared Search and Track
IRU	Inertial Reference Unit
ISAR	Inverse Synthetic Aperture Radar
ITACS	Integrated Tactical Air Control System
ITNS	Integrated Tactical Navigation System
ITOW	Improved TOW
ITV	Improved TOW Vehicle

J

JANNAF	Joint Army, Navy, NASA, Air Force Interagency Chemical Propulsion Committee
JAWS	Joint Adverse Weather Seeker
JCS	Joint Chiefs of Staff, Washington, DC
JDL	Joint Directors of Laboratories
JFET	Junction Field Effect Transistor
JIAWG	Joint Integrated Avionics Working Group
JJ	Josephson Junction
JOINT STARS	Joint Surveillance Target Attack Radar System
JSGCC	Joint Service Guidance and Control Committee
JSS	Joint Service Seeker
JSS	Joint Surveillance System
JTACMS	Joint Tactical Missile System
JTCG/AS	Joint Technical Coordinating Group on Aircraft Survivability
JTCG/ME	Joint Technical Coordinating Group on Munitions Effectiveness
JTFP	Joint Tactical Fusion Program

JTIDS

Joint Tactical Information Distribution System

K

KBAD

Knowledge-Based Algorithm Development

KE

Kinetic Energy

KEM

Kinetic Energy Missile

KEW

Kinetic Energy Weapon

L

L3TV	Low Light Level Television
LAADS	Low Altitude Air Defense System
LAAM	Light Antiaircraft Missile
LAAR	Low Altitude Acquisition Radar
LAAT	Laser Augmented Airborne TOW
LAD	Light Area Defense
LAD	Lightweight Air Defense
LADAR	Laser Radar
LADDS	Large Aperture Designation and Discrimination Sensor
LADS	Lightweight Air Defense System
LADS	Low Altitude Defense System
LADSS	Loitering Air Defense Suppression System
LAGUMS	Laser-Guided Missile System
LAIRS	Laser Augmented Infrared System
LAMPAMS	Laser Automated Missile Position and Altitude Measurement System

LAMPS	Light Airborne Multi-Purpose System
LANTIRN	Low Altitude Navigation and Targeting Infrared Night
LAR	Low Angle Reentry
LARS	Light Artillery Rocket Systems
LASAADS	Laser Semiactive Air Defense System
LASER	Light Amplification by Simulated Emission of Radiation
LAW	Light Antitank Weapon
LAWM	Lightweight All Weather Missile
LAWT	Light Antitank Weapon Technology
LBR	Laser Beamrider
LBRG	Laser Beamrider Guidance
LCCW	Low Cost Composite Weapon
LCIGS	Low Cost Inertial Guidance System
LDAS	Laser Detection and Analysis System
LDWSS	Laser Designator Weapon System Simulation
LE	Leading Edge
LED	Light Emitting Diode
LEG	Leading Edge Gate

LER	Loss Exchange Ratio
LF	Low Frequency
LGCM	Laser Guided Cluster Munition
LGHJ	Laser-Guided HONEST JOHN
LGM-118	Peacekeeper Missile
LGM-25	Titan Missile
LGM-30	Minuteman Missile
LGP	Laser-Guided Projectile
LGW	Laser-Guided Weapon
LHC	Left-Hand Circular (Polarization)
LIDAR	Light Detection and Ranging
LLD	Laser Locator Designator
LMAR	Lightweight Mobile Acquisition Radar
LMC	Linear Motion Compensation
LO	Low Observable
LOADS	Low Altitude Air Defense System
LOAL	Lock-on After Launch
LOBL	Lock-on Before Launch
LOC	Lines of Communication

LOCALS	Low Cost Alternate Laser Seeker
LOCPOD	Low Cost Powered Dispenser
LOFAADS	Low Altitude Forward Area Air Defense System
LOGIC	Laser Optical Guidance Integration Concept
LOH	Light Observation Helicopter
LOJ	Line-of-Jamming
LOLADS	Low Altitude Laser Air Defense System
LOM	Line of Motion
LOMADS	Low and Medium Altitude Air Defense System
LONGBOW	Airborne Adverse Weather Weapon System
LOP	Line of Position
LORAH	Long-Range Homing Interceptor
LORAN	Long-Range Navigation
LORAT	Long-Range Antitank Weapon System
LORO	Lobe-on-Receive Only
LOS	Line of Sight
LOS-AT	Line of Sight-Antitank
LOSD	Line-of-Sight Difference
LOTAWS	Laser Obstacle/Terrain Avoidance Warning System

LOVA	Low Vulnerability
LP	Liquid Propellant
LPG	Liquid Propellant Gun
LPI	Low Probability of Intercept
LPIR	Low Probability of Intercept Radar
LPRE	Liquid Propellant Rocket Engine
LRAT	Large Radar Array Technology
LRCSW	Long Range Conventional Standoff Weapon
LRDMM	Long Range Dual Mission Missile
LRF	Laser Rangefinder
LRGM	Long-Range Guided Missile
LRM	Long-Range Missile
LRR	Long-Range Radar
LSA	Laser Semiactive
LSC	Linear Shape Charge
LSI	Large Scale Integration
LST	Laser Spot Tracker
LTD	Laser Target Designator
LV	Launcher Vehicle

LWIR Long Wavelength Infrared

LWLD Light Weight Laser Designator

M

M-47	Dragon Missile
M-TAP	Multifunction Target Acquisition Processor
MAA	Mission Area Analysis
MADOM	Magnetic-Acoustic Detection of Mines
MAFLIR	Modified Advanced Forward Looking Infrared
MANPADS	Man-Portable Air Defense System
MARC	Modified Azimuth Radar Correlation
MARFS	Multienvironment Active Radio Frequency Seeker
MARS	Multiple Artillery Rockets
MARV	Maneuverable Reentry Vehicle
MASAR	Multimode Airborne Solid-State Array Radar
MASR	Multiple Antenna Surveillance Radar
MASS	Mission Avionics Sensor Synergism
MASTR	Modular Airborne Search and Track Radar
MASTS	Manned Aerial Surveillance and Target Acquisition System

MATH-P	Medium Artillery Terminal Homing Projectile
MATT	Manned Aircraft TOW Target
MAVS	Manned Aerial Vehicle for Surveillance
MAW	Medium Antitank Weapon
MBE	Molecular Beam Epitaxy
MBGE	Missile-Borne Guidance Equipment
MBT	Main Battle Tank
MCG	Midcourse Guidance
MCGD	Millimeter Wave Contrast Guidance Demonstration
MCIC	Metals and Ceramics Information Center
MCTI	Motion Compensated Target Integration
MDAGS	Missile Development Airborne Guidance System
MDAGS	Modular Digital Airborne Guidance Section
MEACONING	Measuring and Confusing
MEAT	Multiple Edge Adaptive Tracker
MEP	Mission Equipment Package
MESFET	Metal Semiconductor Field Effect Transistor
MEW	Microwave Early Warning

MEWETS	Multiple Electronic Warfare Emitter Target System
MFAAD	Mobile Field Army Air Defense
MFAR	Multifunction Array Radar
MGM-31	Pershing Missile
MGM-51	Shillelagh Missile
MGM-52	Lance Missile
MGU	Midcourse Guidance Unit
MHD	Missile Homing Device
MIC	Microwave Integrated Circuit
MICRAD	Microwave Radiometric Reconnaissance System
MIG	Mikoyan-Gurevich
MIGS	Miniature Infrared Guidance Sensor
MILAN	Missile d'Infanterie Leger Antichar
MILSTAR	Military Strategic and Tactical Relay System
MIM-104	Patriot Missile
MIM-115	Roland Missile
MIM-23	Hawk Missile
MIM-43	Redeye Missile

MIM-72	Chaparral Missile
MIMIC	Microwave and Millimeter Wave Integrated Circuit
MINS	Miniature Inertial Navigation System
MIRV	Multiple Independently Targetable Reentry Vehicle
MISFET	Metal Insulator Semiconductor FET
MISTIC	Missile System Target Illuminator Controlled
MISTIR	Multifunction Imaging Search Track Infrared
MITE	Missile Integration Terminal Equipment
MLC	Mainlobe Cancellation
MLE	Maximum Likelihood Estimation
MLRS	Multiple Launch Rocket System
MLRS-TGW	Multiple Launch Rocket System Terminally Guided Weapon
MLSS	Modular Lightweight Sensor System
MM38	Exocet Missile (Ship-Launched)
MM40	Exocet Missile (Long-Range)
MMCIAAC	Metal Matrix Composites Information Analysis Center
MMG	Multimode Guidance

MMIC	Monolithic Microwave Integrated Circuits
MMMIC	Monolithic Millimeter Wave Integrated Circuits
MMRC	Army Missile Materiel Readiness Command
MMS	Mast Mounted Sight
MMW	Millimeter Waves
MOA	Memorandum of Agreement
MOCVD	Metal Organic Chemical Vapor Deposition
MODFET	Modulation Doped MESFET
MODFLIR	Modular Forward-Looking Infrared Seeker
MOFA	Multi-Option Fuze for Artillery
MOMBE	Metal Organic Molecular Beam Epitaxy
MORE	Multiple Optical Reconnaissance System
MOS	Metal Oxide Semiconductors
MOTARS	Moving Target System
MOU	Memorandum of Understanding
MPI	Mean Point of Impact
MRADMS	Medium Range Air Defense Missile System
MRASM	Medium Range Air-to-Surface Missile
MRM	Medium Range Missile

MRSR	Multi-Role Survivable Radar
MSAM	Medium Surface-to-Air Missile
MSAMS	Mobile Surface-to-Air Missile System
MSFD	Multisensor Fusion Demonstration
MSLC	Multiple Sidelobe Canceller
MSOW	Modular Standoff Weapon
MSRADS	Mobile Short Range Air Defense System
MTI	Moving Target Indicator
MTIAC	Manufacturing Technology Information Analysis Center
MTIR	Multiple Target Instrumentation Radar
MTLS	Moving Target Location System
MTTS	Mobile Target Tracking System
MULE	Modular Universal Laser Equipment
MULTACK	Multiple Target Attack
MULTEWS	Multiple Target Electronic Warfare System
MWIR	Medium Wavelength Infrared
MWS	Modular Weapon System

N

NADC	Naval Air Development Center, Warminster, PA
NAFI	Naval Avionics Facility Indianapolis
NAMTC	Naval Air Missile Test Center, Pt. Mugu, CA
NAVAIR	Naval Air Systems Command, Washington, DC
NAVALEX	Naval Electronic Systems Command, Washington, DC
NAVSAT	Navigational Satellite
NAVSEA	Naval Sea Systems Command, Washington, DC
NAVSTAR	Navigation Satellites Timing and Ranging
NAWAS	Night Adverse Weather Attack System
NDI	Non-Developmental Item
NET	Noise Equivalent Temperature
NFOV	Narrow Field-of-View
NMC	Naval Missile Center, Pt. Mugu, CA
NNSS	Navy Navigational Satellite System
NOSC	Naval Ocean Systems Center, San Diego, CA

NPS Naval Postgraduate School, Monterey, CA

NRL Naval Research Lab, Washington, DC

NS Night Sight

NSRDC David W. Taylor Naval Ship Research and
 Development Center, Bethesda, MD

NSSMS NATO Sea Sparrow Surface Missile System

NSWC/DL Naval Surface Weapons Center, Dahlgren Labs,
 VA

NTIAC Nondestructive Testing Information Analysis
 Center

NV Night Vision

NVEOL Night Vision and Electro-Optics Lab, Ft.
 Belvoir, VA

NWC Naval Weapons Center, China Lake, CA

NWSC/CR Naval Weapons Support Center, Crane, IN

O

OAC	Optical Area Correlator
OASIS	Optimized Air-to-Surface Infrared Seeker
OATS	Over Armor Technology Synthesis
OC	Optimal Controller
OCCM	Optical Counter-Countermeasures
OCM	Optical Countermeasures
OCS	Optical Contrast Seeker
OLOS	Optical Line-of-Sight
OMCVD	Organometallic Chemical Vapor Deposition
OMFAC	Optical Matched Filter Area Correlator
ONR	Office of Naval Research, Arlington, VA
ONT	Office of Naval Technology, Arlington, VA
OPTAG	Optical Aimpoint Guidance
OPTIR	Optical IR Backgrounds
OR	Operational Requirement

ORCHIDEE	Observatoire radar coherent heliporté d'investigation des éléments ennemis
ORT	Overland Radar Technology
OSCAR	Optical Systems Component Application Research
OTF	Optical Transfer Function
OTH-B	Over-the-Horizon-Backscatter
OTHR	Over-the-Horizon Radar
OWL	One Watt Linear

P

PAACE	Precision Aircraft Armament Control Experiment
PACS	Propulsion Augmented Control/Lift Surface
PACT	Prestored Area Correlation Tracker
PADS	Position and Azimuth Determining System
PAM	Pulse Amplitude Modulation
PAR	Perimeter Acquisition Radar
PART	Passive Airborne Ranging Techniques
PASS	System Passive Acquisition and Surveillance
PATS	Precision Automated Tracking System
PAWS	Phased Array Warning System
PCHOJ	Passive Correlation Home-on-Jam
PCM	Pulse Code Modulation
PCTOJ	Passive Correlation Track-on-Jam
PDAMS	Precision Deep Attack Missile System
PDAP	Programmable Digital Autopilot
PDF	Probability Density Function

PDM	Pulse Duration Modulation
PDMM	Pulse Doppler Map Matcher
PELS	Precision Emitter Location System
PEO	Procurement Executive Officer
PFM	Pulse Frequency Modulation
PFN	Pulse Forming Network
PGM	Precision Guided Munition
PIGA	Pendulous Integration Gyroscopic Accelerometer
PII	Pershing II
PIM	Pulse Interval Modulation
PIVADS	Product Improved Vulcan Air Defense System
PK	Probability of Kill
PLASTEC	Plastics Technical Evaluation Center
PLD	Precision Laser Designator
PLG	Proportional Lead Guidance
PLL	Phased Locked Loop
PLRS	Position Location Reporting System
PLSS	Precision Location Strike System
PM	Pulse Modulation

PMTC	Pacific Missile Test Center, Pt. Mugu, CA
PN	Pseudo-Noise
PNG	Proportional Navigational Guidance
PNVS	Pilot Night Vision System
POST	Passive Optical Seeker Technology
PP&T	Precision Pointing and Tracking
PPI	Plan Position Indicator
PPM	Pulse Position Modulation
PRF	Pulse Repetition Frequency
PRM	Pulse Ratio Modulation
PSD	Particle Size Distribution
PSD	Power Spectral Density
PSM	Polarization Scattering Matrix
PSPT	Precision Spot Positioning Tracker
PSTIAC	Pavements and Soil Trafficability Information Analysis Center
PTADS	Point Target Defense System
PTS	Point Target Subsystem
PTW	Point Target Weapon

PW	Pulse Width
PWAAS	Passive Wide Area Alerting System
PWD	Pulse Width Discrimination
PWM	Pulse Width Modulator
PWS	Proximity Warning System

Q

QAZ

Quaternary Alloy of Zirconium

R

R.440	Crotale Missile
R.550	Magic Misile
RAC	Radar Area Correlation
RAC	Reliability Analysis Center
RACG	Radiometric Area Correlation Guidance
RADAC	Radar Area Correlation
RADAG	Radiometric Area Correlation Guidance
RADAGS	Radar Aimpoint Guidance System
RADAM	Radar Detection of Agitated Metals
RADAR	Radio Detecting and Ranging
RADC	Rome Air Development Center, Griffiss AFB, NY
RAE	Royal Aircraft Establishment, Farnborough, England
RAGS	Regular Airborne Guidance System
RAM	Radar Absorbing Materials
RAM	Random Access Memory

RAM	Reliability, Availability, Maintainability
RAM	Rolling Airframe Missile
RAP	Rocket Assisted Projectile
RASER	Research Radar and Seeker Evaluator
RATSCAT	Radar Target Scatter
RB28	Swedish Falcon
RB53	Bantam Missile
RBS 70	Ray Rider Missile
RBS56	Bill Missile
RCS	Radar Cross Section
REDCAT	Range Extended Directional Controlled Antitank
RELNAV	Relative Navigation
REMBASS	Remotely Monitored Battlefield Sensor System
REP	Range Error Probability
RF	Radio Frequency
RFI	Radio Frequency Interference
RFSS	Radio Frequency Simulation System
RHAW	Radar Homing and Warning
RHC	Right-Hand Circular (Polarization)

RHOGI	Radar Homing and Guidance Interceptors
RIM-116	RAM
RIM-2	Terrier Missile
RIM-24	Tartar Missile
RIM-66	Standard Missile
RIM-67	Standard Missile (ER)
RIM-7	Sea Sparrow Missile
RLG	Ring Laser Gyro
RLPG	Regenerative Liquid Propellant Gun
RMS	Radiometric Seeker
RMS	Root Mean Square
ROC	Required Operational Capability
ROR	Range-Only Radar
ROV	Remotely Operated Vehicle
RPAODS	Remotely Piloted Aerial Observation Designation System
RPP	Rocket Propelled Projectile
RPV	Remotely Piloted Vehicle
RRS	Roll Rate Sensor

RSIC	Redstone Scientific Information Center, Redstone Arsenal, AL
RSRE	Royal Signals and Radar Establishment, England
RSS	Root Sum Squared
RSS	Rosette Scan Seeker
RSTA	Reconnaissance Surveillance and Target Acquisition
RT	Real-Time
RWR	Radar Warning Receivers

S

S-ARM	Standard-Antiradiation Missile
S.530	Super 530 Missile
S/A	Semiactive
S/C	Signal-to-Clutter
S/C+N	Signal-to-Clutter Plus Noise
S/N	Signal-to-Noise
SA-13	Strella Missile
SA-2	Guideline Missile
SA-3	Goa Missile
SA-4	Ganef Missile
SA-5	Gammon Missile
SA-6	Gainful Missile
SA-7	Grail Missile
SA-8	Gecko Missile
SA-9	Gaskin Missile
SA-N-1	Naval Goa Missile

SA-N-2	Naval Guideline
SA-N-3	Goblet Missile
SADARM	Sense and Destroy Armor
SADFRAD	Synthetic Aperture Dual Frequency Radar
SAIRS	Standardized Advanced IR Sensor
SAL	Semiactive Laser
SAL-IR	Semiactive Laser-Infrared
SALPAM	Semiactive Laser Point Attack Missile
SALS	Semiactive Laser System
SAM	Surface to Air Missile
SAM-D	Surface to Air Missile Defense
SAMID	Ship Anti-Missle Integrated Defense
SAMP	Small Arms Master Plan
SAPPHIRE	Synthetic Aperture Precision Processor High Reliability
SAR	Synthetic Aperture Radar
SAR	Synthetic Array Radar
SASS	STINGER Airborne Self-Defense Subsystem
SAVA	Standard Army Vetronics Architecture

SAW	Squad Automatic Weapon
SAW	Surface Acoustic Wave
SBIR	Small Business Innovative Research
SCAD	STINGER Counter-Air Demonstration
SCAG	Spin Coupled Accelerometer Gyro
SCAM	Shaped Charge Antimine Munition
SCR	Signal-to-Clutter
SDI	Strategic Defense Initiative
SEAD	Suppression of Enemy Air Defenses
SEAM	Second Echelon Attack Missile
SEARAY	Navy Demonstration of Air to Surface Fiber Optic Guidance
SEAS	Simultaneous Engagement Armament System
SEKP	Single Engagement Kill Probability
SEMI	Special Electromagnetic Interference
SEP	Spherical Error of Probability
SETTER	Sensor Fusion for SHORADS
SFF	Self-Forging Fragment
SFM	Sensor Fuzed Munition

SFOV	Search Field-of-View
SFW	Sensor Fuzed Weapon
SHADR	Short-Range Air Defense Radar
SHAG	Simplified High Accuracy Guidance
SHAPE	Supreme Headquarters Allied Powers Europe
SHAWL	Special Hard-Target Assault Weapon Law
SHF	Super High Frequency
SHIRAN	S-band HIRAN
SHORAD	Short-Range Air Defense
SHORAD C2	Short-Range Air Defense Command and Control
SHORADS	Short-Range Air Defense Systems
SHORAN	Short-Range Navigation
SIAM	Self-Initiated Antiaircraft Missile
SIBYL	Synergistic Image Building Yttrium LADAR
SIG-D	Simplified Inertial Guidance Demonstration
SIRCS	Shipboard Intermediate Range Combat System
SIT	Silicon Intensified Target
SJN	Signal-to-Jammer Noise
SLAM	Stand-off Land Attack Missile

SLAM	Supersonic Low-Altitude Missile
SLAM	Surface Launched Anti-Ship Missile
SLAP	Saboted Light Army Penetrator
SLAR	Side Looking Airborne Radar
SLATCM	Ship Launched Air Targeted Cruise Missile
SLBM	Sea-Launched Ballistic Missile
SLC	Sidelobe Cancellation
SLCM	Sea-Launched Cruise Missile
SLIR	Staring Laser Intercept Receiver
SLR	Side Looking Radar
SLS	Sidelobe Suppression
SM	Standard Missile
SM39	Exocet Missile (Submarine-Launched)
SMAC	Scene Matching Area Correlator
SMAL	Stabilized Mirror Airborne Laser
SMART	Slot-Ring Mixer Array Receiver Technology
SMAVPAD	Small Vehicle Portable Air Defense System
SMAWT	Short-Range Manportable Antitank Weapon Technology

SMIAC	Soil Mechanics Information Analysis Center
SMITHS	Spinning Mass Implemented Terminal Homing Seeker
SMMW	Submillimeter Wave
SMW	Scatterable Mine Warhead
SNR	Signal-to-Noise Ratio
SOJ	Standoff Jammer
SOM	Smoke Obscuration Model
SONAR	Sound Navigation and Ranging
SOS	Stabilized Optical Seeker
SOTAS	Standoff Target Acquisition System
SP HAWK	Self-Propelled HAWK
SPAL	Stabilized Platform Airborne Laser
SPIRE	Simulation of Passive Infrared Equipment
SPOT	Seeker Pattern Over Target
SQUID	Superconducting Quantum Interference Device
SRAM	Short-Range Attack Missile
SRHIT	Small Radar Homing Intercept Technology
SRTS	Short-Range Thermal Weapon Sight

SS-1	Scud Missile
SS-12	Scaleboard Missile
SS-13	Savage Missile
SS-14	Scamp Missile
SS-16	Sinner Missile
SS-17	Spanker Missile
SS-18	Satan Missile
SS-19	Stiletto Missile
SS-20	Saber Missile
SS-21	Scarab Missile
SS-23	Spider Missile
SS-N-2	Scrubber Missile
SS-N-2	Styx Missile
SS-N-20	Sturgeon Missile
SS-N-3A	Shaddock Missile
SS-N-5	Sark Missile
SS-N-6	Serb Missile
SS-N-8	Sawfly Missile
SS-N-9	Siren Missile

SS-NX-23	Skiff Missile
SS-X-17	Sbuoe Missile
SS-X-24	Scalpel Missile
SSC-1	Shaddock Missile (Coastal Defense)
SSC-2A	Salish Missile
SSC-2B	Samlet Missile
SSEKP	Single-Shot Engagement Kill Probability
SSJ	Self-Screening Jammer
SSKP	Single-Shot Kill Probability
SSM	Surface-to-Surface Missile
SSP	Single-Shot Probability
SSR	Spread Spectrum Radar
SST	Smart Submunition Technology
STAAS	Surveillance and Target Acquisition Aircraft System
STAFF	Smart Target Activated Fire and Forget
STANAG	Statement of NATO Agreement
STANO	Surveillance Target Acquisition and Night Observation
STARTLE	Surveillance and Target Acquisition Radar for Tank Location and Engagement

STC	SHAPE Technical Center, The Hague, Netherlands
STIR	Search/Track/Illuminate Radar
SUAWACS	Soviet Union Airborne Warning and Command System
SURVIAC	Survivability/Vulnerability Information Analysis Center
SUW	Surface Warfare
SVIC	Shock and Vibration Information Center
SWIR	Short Wavelength Infrared
SWMO	Smart Weapons Management Office

T

TAAWS	Target Acquisition for Army Weapon Systems
TABILS	Target and Background Information Library System
TAC	Tactical Air Command, Langley AFB, VA
TACAN	Tactical Air Navigation
TACATA	TRADOC Combined Arms Test Activity, Ft. Hood, TX
TACAWS	The Army Counter Air Weapon System
TACCS	Tactical Airborne Command Control and Surveillance
TACJAM	Tactical Jammer
TACMAR	Tactical Multifunction Array Radar
TACMS	Tactical Missile System
TACOM	Army Tank-Automotive Command, Warren, MI
TACOS	Tactical Air Defense Computer Simulation
TACTEC	Tactical Technology Center
TACTS	Tactical AircREW Combat Training System
TADS	Target Acquisition and Designation System

TADS/PNVS	Target Acquisition Designation/Pilot Nights Vision System
TAG	Target Adaptive Guidance
TALCM	Tomahawk Air-Launched Cruise Missile
TAM	Target Activated Munitions
TAM	Technology Area Manager
TAR	Terrain Avoidance Radar
TARADCOM	Army Tank-Automotive Research and Development Command, Warren, MI
TARCOM	Army Tank-Automotive Materiel Readiness Command, Warren, MI
TARECS	Target Recognition Systems
TARFS	Three-Axis Rotational Flight Simulator
TARS	Tactical Air Reconnaissance System
TARS	Target Acquisition, Reconnaissance, and Surveillance
TASDC	Tank-Automotive Systems Development Center, Warren, MI
TASM	Tactical Air-to-Surface Missile
TB	Technology Base
TBAG	Technology Base Advisory Group
TBIS	Technology Base Investment Strategy

TBM	Tactical Ballistic Missile
TCR	Terrain Clearance Radar
TCSP	Terminally Corrected Spinning Projectile
TDI	Time Delay and Integration
TDMA	Time Division Multiple Access
TECOM	Test and Evaluation Command, APG, MD
TEGFET	Two-dimensional Electron Gas FET
TERCOM	Terrain Contour Matching
TERPROM	Terrain Profile Matching
TFGM	Tank-Fired Guided Missile
TFWC	Tactical Fighter Weapons Center, Nellis AFB, CA
TG	Terminal Guidance
TGP	Terminally Guided Projectile
TGSM	Terminally Guided Submunition
TGW	Terminally Guided Weapon
TH	Terminal Homing
THAD	Terminal Homing Accuracy Demonstration
THASSID	Terminal Homing Applications of Solid State Imaging Devices

THERMIS	Terminal Homing Extended Range Missile Intercept System
THG	Terminal Homing Guidance
TIA	Technical Interest Area
TIS	Target Identification System
TISEO	Target Identification System Electro-Optical
TLGP	Tube-Launched Guided Projectile
TLS	Tactical LADAR Seeker
TMAP	Teleoperated Mobile Antiarmor Platform
TMAS	Tank Main Armament System
TMD	Tactical Munitions Dispenser
TMR	Target Motion Resolution
TOA	Time of Arrival
TOC	Technical Oversight Center
TOJ	Track-on-Jam
TOW	Tube-Launched Optically Tracked Wire Guided
TPCCC	Technology Panel for Command, Control, and Communications
TPE	Thermoplastic Elastomers
TRACE	Terminal Radar Area Correlation Experiment

TRADOC	Army Training and Doctrine Command, Ft. Monroe, VA
TRAM	Target Recognition Attack Multisensor
TRAP	Terminal Radiation Program
TRASANA	Army TRADOC Systems Analysis Activity, WSMR, NM
TREE	Transient Radiation Effects on Electronics
TRI-FAST	Tri-Forces Active Seeker Technology Program
TRIG	Tactical Ring Laser Gyro
TRISIG	Tri-Service Signature Data Base
TSL	Tri-Service Laser
TSOFT	Terminal Sensor Flight Test
TTG	Time to Go
TVC	Thrust Vector Control
TWS	Thermal Weapon Sight
TWS	Track-While-Scan
TWT	Traveling Wave Tube

U

UAM Underwater-to-Air Missile

UAV Unmanned Aerial Vehicle

UGM-27 Polaris Missile

UGM-73 Poseidon Missile

UGM-84 Harpoon Missile

UGM-96 Trident Missile

UH Utility Helicopter

UHF Ultra High Frequency

UUM Underwater-to-Underwater Munition

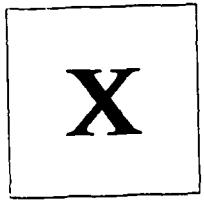
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V

VAL	Vulnerability Assessment Laboratory, WSMR, NM
VATLS	Visual Airborne Target Locating System
VEMASID	Vehicle Magnetic Signature Duplication
VHBR	Very High Burning Rate
VHF	Very High Frequency
VHSIC	Very High Speed Integrated Circuits
VLF	Very Low Frequency
VLSI	Very Large Scale Integration
VOR	Very High Frequency Omnidirectional Range
VORTAC	VOR TACAN
VOTS	Variable Optical Target Simulator
VRP	Velocity Reduction Parachute
VTLRM	Variable Trajectory Long-Range Missile

W

WAAM	Wide Area Antiarmor Munition
WADC	Wright Air Development Center, WPAFB, OH
WADD	Wright Air Development Division, WPAFB, OH
WAM	Wide Area Mine
WAND	Wide Area Neutralization Device
WASP	Wide Area Side Penetrating
WFOV	Wide Field-of-View
WOE	Weapons Optical Effects
WOODS	Wire/Obstacle Detection System
WP	White Phosphorus
WSAO	Naval Weapons Systems Analysis Office, Washington, DC
WSEG	Weapons Systems Evaluation Group, Arlington, VA
WSMR	White Sands Missile Range, NM
WVR	Within Visual Range



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MLRS



YPG

Yuma Proving Ground, AZ

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